FORM PTO-1596 RECORDATION FORM	•			
(Rev. 6-23) PATENTS Tab settings ⇔ ⇔ ▼	ONLY Patent and Trademark Office			
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.			
Name of conveying party(ies):	2. Name and address of receiving party(ies):			
Lucent Technologies, Inc.	Name: <u>Avaya Technology Corp.</u> Internal Address:			
Additional name(s) of conveying party(ies)attached? Yes No				
3. Nature of conveyance:  ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other ☐	Street Address: _211 Mount Airy Road  City: _Basking Ridge			
Execution Date: September 29, 2000	Additional name(s) & Address(es) attached?  Yes No			
4. Application number(s) or patent number(s):  If this document is being filed together with a new application, the execution date of the application is:				
	D D ( (N ()			
A. Patent Application No.(s) 09/711,403	B. Patent No.(s)			
	ached? Yes No			
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1			
Name: Douglas W. Swartz SHERIDAN ROSS P.C. 1560 Broadway, Suite 1200 Denver, CO 80202-5145	7. Total fee (37 CFR 3.41)\$ 40.00  □ Enclosed □ Authorized to be charged to deposit account			
	8. Deposit account number: 50-1602			
	(Attach duplicate copy of this page if paying by deposit account)			
DO No	OT USE THIS SPACE			
9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Douglas W. Swartz  April 3, 2003				
Reg. No. 37,739 Sign	nature Date			
Total number of pages including cover	sheet, attachments, and document: <u>44</u>			
Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231				

11/13/00	SHEET
To the Honorable Commission	emains.
1. Name of conveying party(ies):  Kenneth Cox, Lichan Hong, Paul Richman, Jose Velez, and Robert Steiner  Additional name(s) of conveying party(ies) attached? Yes _x_ No	2. Name and address of receiving party:  Name: Lucent Technologies, Inc. Street Address: 600 Mountain Avenue  City: Murray Hill State: New Jersey Zip: 07974-0636
3. Nature of conveyance: Assignment Execution Date: 10/12, 10/06, 10/11, 10/09, 10/09, 2000	9/7/1403
4. Application number(s) or patent number(s): If this document is being filed together with a new a is: November 13, 2000  A. Patent Application No.(s)  B.	application, the execution date of the application  Patent No. (s)
Additional numbers attach	ned? Yes X No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved?1
Name: James W. Wiegand Street Address: James W Wiegand, Esq 204 Washington, Suite 4 City: Marblehead State: MA Zip: 01945	7. Total fee (37 CFR 3.41) \$40.00  Enclosed  X Authorized to be charged to deposit account no. 12-2325  (attach duplicate copy of this page)
DO NOT USE TH	HIS SPACE
9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and	d correct and any attached copy is a true copy of the original document.
James W. Wiegand Name of Person Signing Signature	Date 11/13/00

18/19/2000 NTHAI1 00000086 1/2325 05/11465 01 FC:581 40.00 CH

### ASSIGNMENT AND AGREEMENT

For value received, I, Kenneth Charles Cox, of Naperville, in the County of Dupage and State of Illinois, Lichan Hong, of Mountain View, in the County of Santa Clara and State of California, Paul Richman, of Boulder, in the County of Boulder and State of Colorado, Jose F Velez, of Denver, in the County of Adams and State of Colorado, and Robert C. Steiner, of Broomfield, in the County of Boulder and State of Colorado, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to METHOD APPARATUS GRAPHICALLY **MANIPULATING** described in an application for Letters Patent of the United States, executed by me of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. they may designate.



MARCH 05, 2001

SPATES OF ARELU

### UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

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**Technology Center 2600** 

JAMES W. WIEGAND JAMES W. WIEGAND, ESQ. 204 WASHINGTON, SUITE 4 MARBLEHEAD, MA 01945

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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

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RECORDATION DATE: 11/13/2000

REEL/FRAME: 011360/0340

NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

COX, KENNETH

DOC DATE: 10/12/2000

ASSIGNOR:

HONG, LICHAN

DOC DATE: 10/06/2000

ASSIGNOR:

RICHMAN, PAUL

DOC DATE: 10/11/2000

ASSIGNOR:

VELEZ, JOSE

DOC DATE: 10/09/2000

ASSIGNOR:

STEINER, ROBERT

DOC DATE: 10/09/2000

ASSIGNEE:

LUCENT TECHNOLOGIES, INC. 600 MOUNTAIN AVENUE MURRAY HILL, NEW JERSEY 07974-0636 011360/0340 PAGE 2

SERIAL NUMBER: 09711403

PATENT NUMBER:

FILING DATE: 11/13/2000

ISSUE DATE:

KIMBERLY WHITE, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

	Mouth Charles C
	Kenneth Charles Cox
Date: Oct 12, 2000	
United States of America	
State of Illinois	) ss.:
City of Noperville	
of Betober , 2000	On thisdayday, before me personally came <b>Kenneth Charles</b> idual described in and who executed the foregoing xecution of the same.
"OFFICIAL SEAL" LINDA E. KELLY Notary Public, State of Illinois My Commission Expires 05/18/03	Linda E. Kelly Notary Public

m
7

Date: 10 06 2000	<u> </u>		•.		
United States of America	)				-
State of California.	) ss.:		•		
City of Mountain View	)				
On this 6 the personally came Lichan Hon	g, to me k	nown to be th	e indivi	dual desc	cribed in and
who executed the foregoing ir	าstrument, เ	and acknowle	dged e	xecution (	ot the same.



Notary Public

		Paul Rick	man	Schnon	
Date: 10/11/2000					
United States of America	)				
State of COLORADO	) ss.:			٠.	
City of WESTMINSTER	) .		· · · · · · · · · · · · · · · · · · ·		
On this	<b>n</b> , to me kr	nown to be	e the indiv	idual descr	ibed in and

Notary Public

My Commission Expires 01/12/2003

Jose F Velez

Date: 10 / 09 / 2000

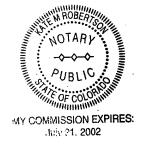
United States of America

State of Colorado

) ss.: 589-98-6916

City of Denver

> Kate M. Robertson Notary Public



Robert C Steiner

Pobert C Steiner

Date: 10/9/2000

United States of America )

State of BroomField (0) ss.:

City of BroomField )

On this 9th day of 000, before me personally came Robert C Steiner, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Yate M. Robertso Notary Public



Execution Copy

### PATENT ASSIGNMENT

by and between

LUCENT TECHNOLOGIES INC.

and

AVAYA TECHNOLOGY CORP.

Dated as of September 29, 2000

### PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of September 29, 2000 (the "Effective Date"), is by and between Lucent Technologies Inc., a Delaware corporation, with offices at 600 Mountain Avenue, Murray Hill, New Jersey 07974. United States of America, ("ASSIGNOR"), and Avaya Technology Corp., a Delaware corporation, with offices at Suite 105, 14645 N.W. 77th Avenue, Miami Lakes, Florida 33014. United States of America ("ASSIGNEE").

### RECITALS

- A. WHEREAS, the Board of Directors of ASSIGNOR has determined that it is in the best interests of ASSIGNOR and its stockholders to separate ASSIGNOR's existing businesses into two independent businesses;
- B. WHEREAS, ASSIGNOR presently owns or controls certain patents, patent applications, and invention submissions listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS") and;
- C. WHEREAS in furtherance of the foregoing separation, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in ASSIGNEE;

NOW, THEREFORE, in consideration of the premises and for other good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to existing rights and licenses of third parties, does hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to ASSIGNEE, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS and corresponding counterpart foreign patents and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver. ASSIGNEE recognizes that ASSIGNOR holds only bare legal title to the TRANSFERRED PATENTS listed in Appendix A (which lists the United States Patents and patent applications previously exclusively licensed to Lucent Technologies Guardian Corp.).

ASSIGNOR and ASSIGNEE recognize that the patents listed in Appendix A may inadvertently include patents that are owned by various subsidiaries of ASSIGNOR, including

Octel Communications Corp., Mosaix, and Lannet. Ownership of such patents shall not be affected by this Patent-Assignment, and ASSIGNEE agrees that any such patents shall be deemed deleted from Appendix A.

ASSIGNOR agrees that, upon request it will, at any time without charge to ASSIGNEE but at ASSIGNEE's expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in ASSIGNEE, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in ASSIGNEE, its successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

LUCENT TECHNOLOGIES INC.

Daniel P. McCurdy

President, Intellectual Property Business

AVAYA TECHNOLOGY CORP.

By:

Maurice de Picciotto

Vice President

### ACKNOWLEDGMENTS

STATE OF NEW JERSEY)

COUNTY OF SOMERSET)

I CERTIFY that on Soplember 35, 2000, Daniel P. McCurdy personally came before me and this person acknowledged under oath, to my satisfaction that: a.) this person signed, sealed and delivered the attached Patent Assignment as President -

Intellectual Property Business of Lucent Technologies Inc.; and

b.) this Patent Assignment was signed and made by Lucent Technologies Inc. as its voluntary act and deed by virtue of authority from its Board of Directors.

My Commission Expires: Note: RANNE HANNA

[Notarial Seal]

Notary Public of New Jersey Registered in Huntardon County

My Commission Expires March 25, 2002

STATE OF NEW JERSEY)

COUNTY OF SOMERSET ) Hunterdon

I CERTIFY that on September 27 , 2000, Maurice de Picciotto personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as Vice President of Avaya Technology Corp.; and

b.) this Patent Assignment was signed and made by Avaya Technology Corp. as its voluntary act and deed by virtue of authority from its Board of Directors.

Notary Public

My Commission Expires: 10/30

[Notarial Seal]

DEBORAN W. FERGUSON ublic, State of New Jersey to. 2219308 Qualified in Hunterdon Cour Commission Expired 10/30/2003



$\bigcirc$	Case Name	Filing/Issue Date	Appl/Patent No.
	Aboukhalil 3-4-2	7/15/1998	09/116110
	Acampora 23-2	3/5/1987 (1)	4789983
_	Ackerman 1-1-2-1	11/12/1996	4769963 5867568
	Adriaenssens 2-4-9-20	11/10/1992	5162609
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	Adriaenssens 4-7-9-10-8-9	7/31/1997	5997358
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	Aggus 2-2-4-13-4-4		5862214
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	Ahuja 11-4-5	3/24/1997	08/822727
	Аћија 6-1-2	4/22/1993 (f)	5471318
	Alden 2-4-1	8/17/1993	D338469
	Alden 8-16-1	11/24/1998	D401568
	Allen 1-1-1-5-1-4-1	05/29/1998 (f)	D413121
	Allen 2-2-2-6-2-5-2	05/29/1998 (1)	D418144
	Allen 3-3-3-7-3-6-3	05/29/1998 (f)	D420679
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	Aloisio 6-3-4-9-2		4439632
	Altom 2-2-2-2	12/16/1994 (f)	5627978
	Alvarez 2-2	3/27/1998	09/049255
	Amberg 1-1-2	4/20/1998	5937130
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	Amein 1-1-2-4-14-2	4/5/1988	4736269
	Anderson 1	2/5/1996	5757904
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	Anderson 7-23	5/27/1993 (ຖົ່	5427327
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	Andrews 1-34-1-3	6/4/1998	09/090730
	Anzai 1-4-1-1	8/11/1998 (I)	579333 <b>1</b>
	Apgar 1-6-6-1	02/28/1997 (f)	08/808233
(19)	Aponte 1-3-13	8/1/1997	08/904526
	Aponte 2-4-1-14	3/16/1999	5882217
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	Applegate 1-6-2-7-1	3/29/1991 (f)	5255314
	Aranguren 10-5	10/14/1994 (f)	5553071
	Aranguren 13-3-7	9/15/1998	09/153655
	Arnett 10-6	1/27/1998	D389726
$\sim$	Amett 11-7	1/16/1996	D365205
	Amett 12	3/26/1996	55016 <b>17</b>
_	Arnett 16	9/9/1997	5664955
	Arnett 20	6/10/1997	D379797
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	Amett 24-5	09/031807	09/031807

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-	Amett 25	9/15/1998	5807133
	Arnett 26	4/27/1999	5897395
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	Arnett 28-7	9/7/1999	5947772
	Amett 29-11-8	11/2/1999	5975919
	Arnett 30-3-4-7-24-7-10-4	9/29/1997	08/939330
	Arnett 3-8	3/5/1991	4997500
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	Arnett 5	8/20/1991	5041018
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	Arroyo 51	4/15/1998	09/060973
	Агтоуо 5-7-5	8/12/1986	4605818
	Arroyo 6-6	06/17/1986 (I)	4595793
	Astfalk 2-13-3	4/23/1985	4512944
	Astmann 1	8/1/1989	4853956
· · · ·	Ati•2-4-2-21-65-2	5/28/1996 (I)	D370239
	Baals 10-11-10-10-6	4/13/1993 (f)	
	Baals 4-5-4-1-4	1/4/1993 (f)	5371788 5373551
	Baals 8-9-8-8-4	4/13/1993 (f)	5381461
	Baals 9-4-10-9-9-5	4/13/1993 (f)	
	Backaus 3-2-5-2-7-2	9/14/1993 (f)	5381453
	Baggett 1-1-1-1-1-8	11/19/1996	5444713 5575689
	Baggett 2-2-2-3-1-2-9	8/27/1996	5549489
	Baggett 3-3-10	10/6/1998	5816854
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	Baker 10-2-2	77,17,337	5883883
	Baker 1-1-1-5-1 -	3/4/1996	D400520
	Baker 1-1-2-1-1-1-1	10/1/1985 (f)	4680786
	Baker 11-2-1-2-1	2/27/1998	09/031580
	Baker 1-2-1	6/29/1993	5222908
	Baker 12-3-2-3-2	2/27/1998	09/031581
	Baker 13-4-3-4-3	2/27/1998	09/031574
	Baker 1-5-1-1-1-1-1	1/11/1994 (1)	5278972
	Baker 2-1-5-4-2-6	7/13/1993	5226835
	Baker 2-2-2-1-1-1	5/21/1992 (f)	
	Baker 2-3	5/31/1996	5479493 5745661
(in)	Baker 3-2-2-6-2	05/8/1998 (f)	5745561 Da10143
$\overline{}$	Baker 3-3-3-5-6-2	3/31/1998	D419143
	Baker 4-3-3-7-3	05/8/1998 (f)	5733140 D419144
•	Baker 4-6-8-6	5/19/1997	08/858234
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		(Transfer Of the	are legal fille)
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K	Baker 5-4-4-8-4	05/8/1998 (f)	D419145
	Baker 5-7-10-2-1	6/15/1999	5911594
	Baker 6-3-1-1-1-1	6/3/1994	5535198
	Baker 6-5-5-9-5	05/8/1998 (f)	D418496
(in)	Baker 7-4-2	7/29/1992	5530807
W.D	Baker 9-1-1-1-2		5793751
	Bales 10-6-1-6	12/23/1992 (1)	5373549
	Bales 1-1-1	4/28/1987	4661974
	Bales 11-7-6-7	12/30/1991 (f)	5375167
	Bales 12-8-7-8	5/16/1995 (I)	5416834
	Bales 13-9-8-9	12/30/1991 (ຖົ	5390242
	Bales 14-10-9-10	12/30/1991 (f)	5377262
(10)	Bales 16-1-2-11	12/23/1992 (f)	5369694
	Bales 18-11-13	12/8/1992 (f)	5390241
	Bales 20-15	12/22/1993	5502757
•	Bales 21-3-2-4-4-14-1	6/30/1993 (f)	5473367
	Bales 25-18	12/22/1994 (f)	5544237
	Bales 27-4-6-20	12/12/1995 (1)	5475747
	Bales 28	6/14/1993	5533096
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	Bales 30-21	5/26/1995	5701295
	Bales 31-22	5/26/1995	5675583
	Bales 3-1-3	9/29/1989 (f)	5062108
	Bales 32-23	5/26/1995	5729532
	Bales 33 et al.	3/31/1995	5666399
Conney	Bales 34-24	5/26/1995 (f)	5590127
	Bales 35-5	8/30/1995	5781615
	Bales 36-25	2/26/1993	5579383
	Bales 37	12/13/1995	5781854
•	Bales 38-1	6/28/1996	5831969
	Bales 39-3	8/29/1996	5841780
	Bales 40-11-26	11/23/1999	5991263
	Bales 41-13-12-27	9/30/1996	5828652
	Bales 42-28	12/28/1999	6009157
	Bales 43-29	9/5/1997 (ŋ	5781863
	Bales 4-4	6/2/1990 (f)	5014266
<u></u>	Bales 5-1-2-1	12/31/1990 (f)	5159594
	Bales 6-2-3-2	12/31/1990 (ຖົ່	5185742
	Bales 7-3-4-3	12/31/1990 (ŋ)	5182751
	Bales 8-4-1-4	12/31/1990 (f)	5182750
	Bales 9-5-5-5	12/30/1991	5386466
	Barbieri 1-1-1-1	3/24/1998	09/047007
	Baron 2-2	10/24/1989 (1)	4876717
	Bartholomew 1-2		5724417
	Bartlett 2-2-3	11/1/1988	4782521
	Bass 1	9/29/1992	5150789
	Bass 2-1	5/28/1996	5520347
-	Bass 3	6/25/1996	5529186
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	Case Name -		Filing/Issue Date	Appl/Patent No.
` <u>`</u>	Bass 4-2		11/9/1999	5979811
	Batroney 1-1-2		12/19/1995	5476316
	Bauer 2-2-2-3		6/6/1986 (f)	4707694
490	Bauemfeind 1-1-1-1		10/28/1991 (ŋ	5187432
HDI)	Baumgartner 2-10		4/12/1990 (f)	5138614
	Baumhauer 11-2-8-7		4/14/1998	5739481
	Baxter 3-3-8		6/21/1983	4389720
	Baxter 4-2		8/13/1985	4535448
	Baxter 6-1-1-1-1-1-8-2		5/29/1986 (1)	4741026
	Baxter 8-6	•	2/28/1989	4809270
	Bayer   1-2-1		3/8/1993 (f)	5396548
	Bayeri 2-4-11	•	3/8/1993 (f)	5511115
	Beecher 8-12-4		0.0,1000 (1)	09/052528
	Beggs 1-2-11		9/29/1987	4697051
	Beggs 3-4-3-13-9		7/5/1988	4755629
	Beggs 5-2-4-14		9/4/1998	. 09/146806
	Belfield 3-2-1-1-2-2		11/21/1988 (f)	4896346
	Bell 1-1-6-1-1-1		2/20/1990 (f)	5127047
p.*	Bell 2-10-1-8-1-1		6/29/1990	5048080
	Benda 2-1-3-2		3/17/1987	
	Benjamin 4-12-1-1		11/13/1990	4650933
	Benjamin 5-13-2-3			D312070
-	Bennett 1-13-2-13		2/19/1991 12/1/1982 (f)	D314746
	Benning 7-3-3-5-3	•		4506346
$\bigcirc$	Bently 2-75-1-1-1-1-3		6/21/1995 (f)	5774565
हाड	Berczik 1-7-1		1/3/1995 (f)	5727047
	Berczik 2	•	3/26/1997	08/824876
	Berkowitz 3-2-7-1-2		5/15/1998	09/079590
	Berkowitz 4		0/13/1004 /0	5903877
	Berkowitz 4-4		8/13/1984 (f)	4593272
	Bernstein 8-1		7/29/1997	08/902443
	Bernstein 9-2		3/17/1998	5729370
	Berry 1-1-1-4-4-1		2/15/2000	08/605979
	•		6/2/1998	09/088640
	Bhat 6-1-1-1-3-1-6-1-2		9/9/1994 (f)	5539803
	Bhatia 2-6-2-13		7/8/1985 (f)	4672604
	Bice 2		11/27/1992 (f)	5398152
	Bice 3-1-1		9/23/1997 (I)	D384065
	Bicknell 1-2-1		9/17/1986 (f)	4754479
	Bicknell 2-1-2-1Re		3/29/1989 (f)	RE34529
	Bicknell 3-2-4		1/13/97 (f)	6011803
	Biggs 2-1-1-1		7/8/1994 (f)	5625407
	Biggs 4-4-3-4-4		9/30/97 (1)	5673080
	Billinger 2-2-2		1/30/1987 (f)	4799255
	Birch 1		1/29/1991	4988834
N.	Bischoff 1-4		5/4/1989	4959856
	Bishop 1-1		8/12/97 (I)	5657437
•	Blackwood 1-2-1	•	02/16/1988 (I)	4725249
$\overline{}$	Bland 1-4		1/2/1997	5732218
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	Case Name	Filing/Issue Date	Appl/Patent No.
	Bleich 1-1-2	10/31/1989 (I)	4877645
	Bleich 13-15	11/18/1997	5689090
	Bleich 14-1-17-2	<i>4/</i> 27/1999	5898133
CTN.	Bleich 2-2-3	6/18/1991	5024864
(")	Bleich 4-18-5	2/16/1993	5187329
	Bleich 6-21-7	5/24/1994	5314712
	Bleich 8-7-9	2/4/1997	5600097
	Bleich 9-11-1-8	11/19/1996	5576515
	Blelloch 2-6-11-1	4/1/1998	09/053873
	Boakes 10		5946390
	Boakes 2-4-3	1/4/1993	5386460
	Boakes 7	2/28/1997 (f)	5963636
	Boakes 8	220/193/ (1)	5978458
	Boakes 9		5878123
	Boehike 1-1	4/4/1989	4818311
	Bogart 10 et al.	2/24/1992	5299261
	Bogart 10 et al.	- 2/24/1992 - 2/24/1992	
	Bogart 1-1-2-2-1-1-1		5412714
	Bogart 12 et al.	12/11/1984 2/24/1992	4488004
	Bogart 13 et al.		5321743
	* · · · · · · · · · · · · · · · · · · ·	2/24/1992	5404395
	Bogart 14-11-15-12-11-12-13-11	2/24/1992	5485512
	Bogart 15-1-2-4	10/31/96 (f)	6009162
	Bogart 16-13-7-9-14-1	4/9/1998	09/057842
$\overline{}$	Bogart 3-2	12/13/1988	4791665
(E)	Bogart 4 et al.	10/31/1991	5311584
	Bogart 5 et al.	10/31/1991	5329582
	Bogart 6 et al.	10/31/1991	5311586
	Bogart 7 et al.	10/31/1991	5333188
	Bogart 8 et al.	10/31/1991	5343517
	Bogart 9 et al.	10/31/1991	5289535
	Bohannon 17		4404720
	Bohannon 18-2-11		4477298
	Bohannon 19-1		4482413
	Bohannon 25-6-4-6	11/11/1986	4622092
	Bohannon 26-7-5-7	2/11/1986	4569704
_	Boivie 3-40-1-1-1	4/9/1984 (f)	4633041
SHEET STATES	Bolliger 2-2-1-1-3-3-1-5-1-1 et al.	7/9/1991 (f)	5195090
W	Bopp 1-1-1-1-6-1-2-1-2	07/28/1997 (f)	5945235
	Borkovic 1-9-1-3-1-8-1-8	9/11/1998	09/151636
	Boston 1-7-2-1	10/11/1996 (f)	5757680
	Bourg 1	4/19/1988	4739509
	Bourg 2-1	3/29/1988	4734931
	Bowen 5-2		5625697
AGO.	Bowker 1-29	10/09/1986 (1)	4797915
(MARK)	Boyer 1-1-9-15	3/6/1998	09/036140
	Boyle, II et al. 1-7-1-2-1	5/31/1996	57177 <b>47</b>
	Braun 1-2-2-11	1/21/1997	5595507
	Breggin 1-1	6/4/1996	5848272



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W.	Breggin 2 -	12/21/1999	6005569
	Brendzel 14	12/23/1996 (f)	5677950
	Brown 1-14-1	8/26/1998	09/140041
_	Brown 1-2-1	8/5/1985 (I)	4604500
	Brown 1-2-3	5/1/1986 (f)	4712236
	Brown 2-1-11		4472596
	Brown 3	7/26/1995	
	Brown 3-2-13	9/10/1985	5631950
	Brown 4	2/2/1990 (f)	4539748
	Brown 4	7/26/1995	5072309 5655011
	Brunson 1	9/29/1989	
$\sim$	Brunson 10-2	3/31/1998 (1)	4998704
(##)	Brunson 2-1	1/27/1992 (f)	6018762
<u> </u>	Brunson 3-2	4/16/1992 (f)	5311576
	Brunson 4	7/27/1992 (f)	5304987
	Brunson 5	9/1/1995	5329579
	Brunson 6-4	9/1/1995	5647002
	Brunson 7	1/19/1996	5760823
	Brunson 8	4/8/1996	5781614
	Brunson 9-6	•	5673205
	Brunssen 2	10/7/97 (f) 08/03/1991(f)	6038296
	Brzostek 2-35-7	1/22/1985	4396809
	Bulley 2-15-1	10/04/1983 (I)	4494815
	Bulley 3	09/24/1985 (I)	4408248
~	Burd 3-1-1-1-1-1-1	9/1/1993 (f)	4543524
	Burke 3-1-1-11	5/15/1984	5473771
	Burke 4-3-2-12	5/29/1984	4449017
	Burke 5-1-1	11/7/1989	4451705
	Burke 7-2-2	02/28/1997 (f)	4879743
	Burke 8-3-3		5887054
	Burok 1-1-2	02/28/1997 (f)	5883944
	Burritt 1-3-3-2-1	04/02/1998 (f)	6038302
	Burritt 2	3/31/1998	09/052850
	Bursh 1-2-1-5	6/1/1998	09/088532
	Buxton 1-1	4/9/1985	4510346
	Caccuro 1-2	12/27/1993 (f)	5481440
	Campbell 1-2-6-4	3/31/1992	5440615
	Campbell 2-3	3/3/1987	4647719
ATTAN	Cànale 1-1-1-1-3	9/8/1987	4692564
•	Cantwell 1Re	8/9/1988	4763353
	Carson 1-1-7	4/20/1981 (f)	RE32516
	Carson 2-1-1-1	12/24/1985	4560837
	Carter 1-2-1	9/10/1984 (f)	4629832
	Carter 2-11-6	2/5/1997	5801597
	Cash 2-6-2-4	3/27/1998 (n)	5914644
(a)	Catanzaro 1-3-1-1-1-5	2/25/1994 (ŋ	5481297
	Catanzaro 3-1-1-1	4/20/1993 (n)	5502727
	Chan 1-2-1-1-1	5/22/1998	09/083408
		8/3/1987 (ŋ	4823338



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$\bigcap$	Case Name		Filing/Issue Date	Appl/Patent No.	
	Chan 2-2 —		9/27/1984 (f)	4653085	
	Chan 2-5-15-3-6-4-7-4-23	,	12/14/1993	5270486	
	Chan 6		7/12/1995	5659541	
$\sim$	Chan 7	•	10/8/1997	5897613	
	Chan 8		3/23/1998	09/046246	
45	Chan 9-31		9/15/1998	09/153835	
	Chandler 1-3		9/23/1986	D285795	
	Chang 2-3-3		9/5/1996	08/708761	
	Chang 3-4-4,		6/5/1997 (1)	5875241	
	Chang 4-1-1-1		11/13/1997	08/970054	
	Chapman 4-10-2		-4/22/1986	4583954	
	Chapman 5-3-2-3-21-1		7/22/1997		
	Chapman 6-1-5-2-14		08/922621	5649357	
	Chapman 7-4-4-2-3-2		9/30/1998	08/922621	
	Chau 1-1			09/163243	
	Chau 2-3-2		8/5/1994 (f)	5550906	
	Chavez 11-5-2	•	5/31/1996	5764750	
	Chavez 13	•	8/31/1993	5530945	
	Chavez 14		6/30/94 (f)	5521962	
	Chavez 17-3		6/30/1994	<b>5</b> 550896	
	Chavez 18-3		9/27/1995	5884144	
	Chavez 19-4		11/30/1995	5758284	
,	Chavez 20		11/30/1995	5758285	
	Chavez 21		1/3/199 <del>6</del> .	5765109	
_	Chavez 22-2		1/3/1996	08/582566	
	Chavez 24-5-13		6/28/1996	5940758	
<u> </u>	Chavez 25		8/30/1996	5914668	
			8/30/96 (f)	6018666	
	Chavez 26-6-14-5		12/18/1996	590780 <b>7</b>	
	Chavez 27-17-1-1	•	8/1/97 (f)	6018665	
	Chavez 28-18-2		8/1/1997	08/904382	
	Chavez 29		9/30/1997	08/944020	
	Chavez 30		12/17/1997	08/992657	
	Chavez 31-19		3/16/1998	09/039970	
	Chavez 32-20		3/16/1998	09/042459	
	Chavez 33-21		4/30/1998	09/071050	
	Chavez 34		6/26/1998	09/105672	
	Chavez 35	•	6/29/1998	09/107028	
$\bigcup$	Chavez 36-18		6/26/1998	09/105670	
	Chavez 37		9/29/1998	09/162497	
	Chavez 38		9/29/1998	09/162496	
	Chavez 39		9/29/1998	09/162495	
	Chen 1-2-4-6		11/27/1989	4999832	
	Chen 4-15			09/087216	
	Cheng 1-1-6		7/9/1996		
	Cheng 4-3-3		77071000	5848098	
	Cheng 7-4			5737392	
	Chevet 3-2		0/25/DP /A	08/579105	
	Choi 13		9/25/98 (f)	98460040 5981640	

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	Choi 8-14-6-3-28		2/11/1992	5087521	
	Choi 9-10-29		11/10/1987	4705823	
405	Christensen 1-1-3-1		12/11/1984	4488294	
(111)	Christmas 1-1		10/8/1985	4546468	
	Citurs 1-53-7-6-3		6/12/1998	09/096689	
	Citurs 2-54-8-7-4		6/12/1998	09/096688	
	Citurs 3-55-9-8-5		6/12/1998	09/097315	
	Citurs 4-56-10-9-6		6/12/98 (n)	6034862	
	Clark 3		3/30/18	5887333	
	Clarke 2-37-10		6/23/1987 (1)	D290457	
C	Clarke 3-38-6	•	09/16/1986 (1)	4611875	
	Cocco 11-4-1	,	8/21/1990	4950176	
	Cacco 12-5-2	•	4/9/1991	5005284	
	Cocco 9Re		4/5/1983	RE31197	
	Cochran 2-1-1-3-1		12/26/1997	08/998533	
	Coffman 3-2		11/14/1996	08/749298	
	Cogelia 9-3-8-3		8/2/1988	4761053	
	Cohen 1-1-1-1		6/6/1989	- 4837798	
	Cole 2-1-32-3-6-23-2-3		9/29/1997	08/939747	
	Cale 3-3-12-31-9-10		7/16/1998	09/116724	
	Compton 1-6-1		11/18/1988 (f)	4924491	
	Connole 4-1-2-1-4-1-5		8/27/1991	5043539	
-	Connors 2-5		5/29/1997	589B772	
	Conorch 10-12		6/29/1999	5915992	
	Conorich 2-2		4/8/1997	5618199	
	Conorich 4-7		2/17/1998	5718604	
	Conorich 5-8-1		2/10/1998	5716237	
•	Conte 1-4		5/30/1995	5420551	
	Cook 1		3.00,7300	08/550697	
	Cook 2		10/10/1997 (1)	5823737	
	Cooper 1-1-1-1		8/17/1988 (1)	4866763	
	Cooper 2-1-2-2	•	6/22/1989	4905274	
	Costantini 1 et al.		7/12/1994	5506898	
	Costello 1-1-6-3-13		4/9/1985	4510351	
	Cottrell 1		3/30/1982 (f)	4476349	
	Cottrell 2-2-2-1		03/30/1982 (f)	4436963	
	Cowan 2-10-29-8		11/23/1999	5989055 .	
	Cowan 3-13-32-11		7/30/1998	09/126291	
	Craft 3-3-1-27-33-6		6/11/1998	09/095955	
	Cromwell 1-1		10/4/1988	4775975	
	Crouse 1-1-4-3-5		12/7/1999		
	Crupi 2-2-8		9/19/1985 (n	5997311	
	Cubbisan 10		8/29/1989	4703416	
(iii)	Cubbison 13		4/2/1996 (f)	4862315	
النك	Cubbisan 6		2/8/1983	5504736	
	Curry 2-2		Ft@ 1300	4373118	
	Curtis 1-1-4		9/8/1998	09/107789 5805404	
_			2.0.1000	5605404	



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	Dais 1-1	Case Name -		Filing/Issue Date	Appl/Patent No.
<b>\`.</b> \\	Daniel 1-2-1	<del>-</del>		1/9/1995 (f)	5530202
	Daoud 1			2/28/1989	4972453
	Daoud 10			4/2/1991	5004433
_				5/24/1996	08/653558
	Daoud 100-7			7/27/1899	5928030
4,0	Daoud 101-8			6/30/1998	09/109272
	Daoud 102			11/2/1999	5975924
	Daoud 104	•		6/30/1998	09/107409
	Daoud 105			6/30/1998	09/107410
	Daoud 107			8/31/1999	5944209
	Dapud 108			6/9/1998	09/094259
(E)	Daoud 109		•	9/28/1999	5959250
	Daoud 110			7/3/1998	09/110751
	Daoud 112			7/7/98 (f)	6033259
	Daoud 113			8/28/1998	09/141915
	Daoud 115			6/30/1998	09/107751
	Daoud 116			10/12/1999	5964614
	Daoud 117	÷		8/28/1998	09/143313
	Daoud 118			8/28/1998	09/143315
	Daoud 11-8			12/1/1998	58 <b>4478</b> 5
	Daoud 119			8/28/1998	09/143314
	Daoud 12	_		4/21/1998	
	Daoud 120			8/28/1998	5740685
	Daoud 121			8/28/1998	09/143316
<u>~</u>	Daoud 122			8/28/1998	09/143201
	Daoud 123			8/28/1998	09/143202
	Daoud 124			8/28/1998	09/143203
	Daoud 125			11/30/1999	09/143204
	Daoud 126		٠.	7/22/1998	5993243
	Daoud 127-9		. •	10/26/1999	09/120596
	Daoud 128			11/30/1999	5971795
•	Daoud 129			7/31/1998	5993264
	Daoud 13	•		3/23/1999	09/127170
	Daoud 130	•		7/17/1998	5886298
	Daoud 131	•		6/23/1998	09/118251
	Daoud 132				09/102938
	Daoud 133			6/23/1998	09/103238
<del>(</del>	Daoud 134			7/29/1998	09/124582
·/	Daoud 135			8/28/1998	09/143205
	Daoud 136		•	9/30/1998	09/163701
	Daoud 137			9/30/1998	09/163702
	Daoud 140			9/30/1998	09/163703
	Daoud 15			8/27/1998	09/141115
	Daoud 156			9/23/1997	5669106
	Daoud 163		•	9/23/98 (f)	6025557
	Dagud 17			12/28/1999	6006556
<b>(</b> )	Dadud 17 Daoud 18			2/24/1998	5721396
	Daoud 19			8/11/1998	5791701
•	Sando 12			9/8/1998	5803292
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(Kir.)	Description	Cas• Name	Filing/Issue Date	Appl/Patent No.
( )	Daoud 20	_	8/18/1998	5796039
	Daoud 22		11/23/1999	5989062
	Daoud 23		2/9/1999	5868362
_	Daoud 24		6/22/1999	5913650
	Daoud 25		6/8/1999	5910642
Vis-2	Daoud 26	•	11/2/1999	5975945
	Daoud 28		5/25/1999	5907127
	Daoud 29		7/27/1999	5929381
	Daoud 3		8/31/1993	5240432
	Daoud 30		9/30/1997	08/940761
	Daoud 31-14		9/30/1997	08/940759
	Daoud 33		3/30/1998	09/050525
	Daoud 35	•	3/30/1998	09/050329
	Daoud 36		3/13/1998	09/039134
	Daoud 37		3/13/98 (f)	6031907
	Daoud 38		8/24/1999	5942725
	Daoud 39		3/13/1998	09/039133
	Daoud 4		5/17/1994	5312266
	Daoud 40		3/13/1998	09/039132
	Daoud 41		3/13/1998	09/039131
	Daoud 42		3/13/1998	09/042406
	Daoud 44-2-2	•	3/5/98 (f)	6024598
	Daoud 45		6/1/1999	5908180
	Daoud 46		3/19/1998	09/045169
<b>**</b>	Daoud 47	•	3/19/98 (f)	6031909
	Daoud 48		3/19/1998	09/045152
~_	Daoud 49		3/19/1998	09/045170
	Daoud 50		10/5/1999	5961342
	Daoud 51		3/19/1998	09/045168
•	Daoud 52		3/19/1998	09/045172
	Daoud 57		4/23/1998	09/064685
	Daoud 58		4/23/1998	09/064670
*	Daoud 6		12/6/1994	5370547
	Daoud 60	•	4/23/98 (f)	6019155
	Daoud 61		4/23/1998	09/065122
	Daoud 62		4/23/98(1)	6029581
_	Daoud 63-3-7-7		3/9/98 (1)	6024600
	Daoud 64		3/20/1998	09/045550
<b>L</b> .	Daoud 65		3/16/1998	09/039488
	Daoud 66		3/16/1998	09/039747
	Daoud 67		3/16/1998	09/039817
	Daoud 68		3/16/1998	09/039745
	Daoud 69		3/16/1998	09/039852
	Daoud 7		8/27/1996	5550916
	Daoud 70		0.27/1330	09/039703
	Daoud 71			09/050325
	Daoud 72		11/16/1999	5984712
	Daoud 73		7/17/1998	09/118738
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	Case Name  Daoud 74	Filing/Issue Date	Appl/Patent No.
<b>\_</b> _	Daoud 75	7/17/1998	09/118184
	Daoud 76	6/29/9 <b>8</b> (f)	6000250
	Daoud 77	6/25/1998	09/104929
	Daoud 78	6/25/1998	09/105332
	Daoud 79	6/25/1998	09/105331
	Daoud 8	6/29/1998	09/107218
	Daoud 80	1/30/1996	5487675
	Daoud 81	12/21/1999	6003909
	Daoud 82	6/23/1998	09/103332
	Daoud 84	6/29/98 (f)	6000253
	Daoud 85-16	12/14/1999	6000962
	Daoud 86-17-1	6/16/1996	09/097640
VII.	Daoud 87	6/16/1998	09/100784
	Daoud 88	7/31/1998	09/126872
		6/30/1998	09/107329
	Daoud 89	10/19/1999	5967835
	Daoud 9	4/14/1998	5740004
	Daoud 90	6/30/1998	09/107485
	Daoud 91	6/30/1998	09/107492
	Daoud 92	6/30/98 (f)	6022233
	Daoud 93	6/30/1998	09/107488
	Daoud 94	8/28/1998	09/143566
	Daoud 95	6/30/1998	09/108335
	Daoud 96	9/3/1998	09/146290
AT PA	Daoud 97	7/21/1998	09/120262
(A.ti.)	Daoud 98-6	6/30/1998	09/109275
	Daoud 99	· 6/30/1998	09/109271
	Daudelin 1	12/4/1984	4486833
	Daudelin 8-3-3	7/22/1991 (f)	5177737
	Davidson 2-3-6-2-3-14-2-2-20	11/15/1995 (f)	5774540
	Davila 5-12-3-2-9	7/13/1998	09/114783
	Davis 1-1-1	03/30/1982 (f)	4436962
	Davis 1-1-2	(,)	4465689
	Davis 3-4-9	3/23/1999	5885110
	DeBalko	3/25/1997	5614939
	DeBalko 1	7/16/1985	4529847
	DeBalko 10	2/24/1998	5 <b>7</b> 21773
	DeBalko 12	2/17/1998	5719917
	DeBalko 13	5/12/1998	5751534
	DeBalko 15	11/28/1997	08/980237
	DeBalko 2-1-6	12/29/1992	5175662
	DeBalko 4-1-3	5/4/1993	5207583
•	DeBalko 5	11/19/1993	08/156529
	DeBalko 7-1-1-2	5/7/1996	5515435
	DeBalko 8	6/4/1996	5524043
4.10	DeBalko 9	12/30/1997 (I)	5703944
	Denkmann 1-2-7	03/17/1987 (!)	4650269
	Denkmann 2-3-4-2	04/11/1989 (I)	4820192
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( )	Denkmann 3-4-5-4	9/12/1989	4865564	
	Denkmann 4-3-5	2/16/1993	5186647	
	DeSantis 2-4	3/9/1998	09/037302	
$\sim$	DeSantis 3-2-2-5-1	4/6/1998	09/055626	
	Deutsch 1-19-1	3/31/1995 (n)	5629926	
4.50	Diamond 1	6/4/1996	5825868	
	Dickey 10-2	8/16/1988	4764950	
	Dickey 3	02/28/1984 (1)	4434449	
	Dickey 9-5	1/3/1989		
	Dickinson .	12/22/1992	4796150 51 <b>73</b> 960	
	Diesel 1-1	9/25/1985 (f)		
	Dillow 3-2-6	11/20/1984	4723273	
创设	Dispenza 4	4/25/2000	4483808	
_	Dimmick 8	9/4/1984	6053456	
	Dixit 1-1	4/4/1989	4470112	
	Dixit 3-1	4/28/1992	4818824	
	Donner 1-13-3-13	7/20/1332	5109458	
	Dougherty 14-3	3/20/1990	08/861481	
	Doyle 1	4/3/1990	4910359	
	Doyle 2	5/21/1991	4913659	
	Drexler 1-1-2-6-5	05/21/1985 (1)	5017155	
	Dudek	11/26/1990 (f)	4518830 530 <b>22</b> 43	
	Duong 1-5	11/18/1997	5208812	
	Eardley 2-2-2-3-2	6/28/1998	5688169	
	Einbinder 3-3-1-1	5/20/ (99B	09/106399	
( iii.)	Eizadkhah 1-1	5/29/1998	5896512	
<b>-</b>	Emani 1	3/2/1993	09/087360	
	Emerson 1-2-1-1-1	1/22/1985 (f)	5190460	
	Emerson 2-3-2-2-2	1/22/1985 (f)	4546346	
	English 2-6-4-4-2-6-4-3-2-9 et al.	10/29/1992 (f)	4612416	
	English 3-5-3-11-1-2	12/27/1993	5305308	
	Ensz 6-5-15-3	9/3/97 (f)	5521903	
	Entman 1-1	2/4/1998	6010353	
	Erhart 1-2	04/ /1998	09/018293	
	Ertz 1-1-1-1-1		09/056345	
•	Erving 5-2-4	4/5/1989 12/28/1988 (f)	5003577	
_	Fallon 5-2-6		4979163	
	Fallon 6-1-7	6/5/1998	09/092371	
	Farleigh 3	6/5/1998	09/092399	
	Farwell 1-1-2-2-6	4/29/1991 (f)	5206857	
	Farwell 2-2-3-3-7	7/9/1991 (f)	5184347	
	Farwell 4-2-5	7/9/1991 (f)	5195091	
	Farwell 5-3-6	10/23/92 (f)	5491741	
	Farwell 7-5-9	10/23/1992 (f)	5396541	
<u></u>	Farwell 8	10/1/1993 (f)	5444766	
	Faust 4		5751712	
	Feiner 43-4-9-31-27	11/3/1987	4704499	
	Fenton 8-14-36	12/31/1992 (f)	5363441	
~		01/24/1997 (f)	6035017	



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	Ferenc 1 -	5/22/1984 (f)	4592044
	Ferenc 2-1-13-1-2	6/20/1986 (n)	4731785
	Ferenc 3-3-14-8	9/21/1989 (ŋ)	4962497
	Figueiredo 3-3-3-4-2-12	07/01/1997 (i)	5643014
WA .	Figueiredo 4-5	1/21/1997	5596475
	Figueiredo 5-6	02/17/1998 (I)	5718593
	Figueiredo 6-7-15	5/6/1997	5627721
	Fisher 1-1	12/30/1988	5017917
	Fisher 3-5-1-6-7-1	1/28/1997	5828747
	Fisher 4-6-1-1-10-7	5/15/1997 (f)	6049547
	Fisher 5-10-11-8	12/31/1997	
_	Fisher 6-2-2	12/17/1997	09/001729
	Fishman 1	6/30/1989 (f)	08/992837
•••	Fishman 4	3/9/1995 (f)	5017799
	Flockhart 11-5-3-10-12	2/12/1998	5655017
	Flockhart 12-6-4-11-13	12/17/1997	09/022959
	Flockhart 17-9-13-24	•	08/992307
	Flockhart 2-3	8/27/1998	09/141269
	Flockhart 3-4	7/21/1995	5684872
	Flockhart 4-5	11/3/1995	5754639
•	Flockhart 8-2-7-8	11/3/1995	5740238
	Flockhart 9-3-8-9	3/7/1997	5905793
	Ford 3	11/9/1999	5982873
	•	5/30/1989 (f)	5016271
	Forgues 2-1	1/16/1998 (f)	5708722
	Forlenzo 2-4-7-1-3-2	10/9/1997	08/947670
	Forson 2-6-2-2	2/27/1990 (f)	4980906
	Forson 3-8-4-5	9/7/1990 (f)	5022070
	Fortner 3-6-2-2-3-9	2/16/1993	5186649
	Fossett 2-1	12/8/1983 (f)	4538030
	Foster 8-15	8/27/1998	09/141273
	Franklin 1-1-1	9/27/1984 (f)	4609778
	Franklin 3	9/11/1985 (f)	4677616
	Franklin 6-2	9/ <b>21/1</b> 989 (f)	5093827
	Frederiksen 1-13-1	1/24/1990 (f)	5072327
	Freundlich 1	11/29/1984 (f)	4602128
	Frey 1-26-13	6/16/1997	5982783
<i>~</i> ·	Frick 1	5/3/1982 (f)	4523183
(film)	Friesen 10-1-1	7/30/1996	5541361
$\overline{}$	Friesen 11-1-11	9/14/1999	5952607
	Friesen 12-2-12	08/808901	08/808901
	Friesen 6-15	10/10/1988 (I)	4873393
	Friesen 7-2-16	8/28/1990	4953206
	Frost 1-52	5/26/1987 (I)	D290006
	Fulcomer 2	12/29/1982 (f)	4528681
	Fulcomer 4-1-1-3-2-2	4/16/1985	4512016
<b>FILL</b>	Gaglianello 3-3	8/12/1994 (f)	5526024
	Galensky 2-1	5/12/1987	4665545
	Gallagher 7-1-1-4	12/20/1996	08/777722
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	Case Nam	Filing/Issue Date	Appl/Patent No.		
	Gallagher 8-2	12/20/1996	5848145		
	Gallegos 1-3	7/8/1998	D9/111846		
	Gallegos 2-1	11/30/1999	5992835		
_	Garner 2-3	7/9/1996	5890056		
(iii)	Gates 3-1	2/4/1986	4568801		
$\mathbf{O}$	Gawrys 4-1-3-1-1-1	10/24/1989 (n	5001710		
	Gay 1-15-5	3/11/1988 (f)	4924480		
	Gebhardt 3	11/26/1996	5920570		
- '	Georger 1-1	11/22/1994	5367273		
	Georger 2	2/14/1995	5389900		
	Georger 3	11/8/1994	5363068		
	Georger 5-4	9/7/1999	5950111		
$(\cdot,\cdot)$	Gerlits 1	7/15/1986	4600812		
_	Gibbs 1-1Re	3/21/1986	· · ·		
	Gilbert 2-5-3	6/3/1997	RE35050		
	Gilman 2-2-1	9/14/1995 (f)	5636138		
	Gilmore 1-8-2-1-3	1/16/1990 (I)	5757781		
	Gilmore 2-9-3-2-4	1/16/1990 (1)	D305538 .		
	Gilmore 3-10-4-3-5	1/9/1990 (I)	D305537		
	Girardi 6-1-4	7/20/1999 (1)	D30 <b>5423</b> D412171		
	Girardi 7-2-5	8/24/1999 (1)			
	Given 2	3/9/1993	D413120		
	Glapa 1-1-1-1	02/28/1986 (f)	5481597 475 <b>75</b> 29		
	Glaser 3-3	3/28/1994 (r)	5399955		
$\bigcirc$	Glass 1-2	8/12/1986 (I)	4606024		
	Glassmacher 1-1-1-1	12/3/1992	5329570		
_	Glenn 1	05/14/1991 (I)	5015508		
	Glodis 5-1-4-3-73	(1)	09/115783		
	Goke 1-8	3/7/1986 (f)	4698802		
	Golden 1-1	8/24/1993	5239128		
	Golden 2-1-2-1-1	9/14/1993	5245131		
	Goodrich 4-2	10/13/1987 (I)	4699443		
	Gosssett 1-14-19-1	10/13/1992	5155304		
	Gould 1-1-1	, , , , , , , , , , , , , , , , , , , ,	08/900244		
	Griffith 13-18	6/29/1992	5426689		
	Griffith 16-6-23	10/24/1995 (f)	5598412		
	Griffith 19-7-28	6/10/1997	5873031		
(4.)	Griffith 20-7-6	9/30/1997	08/941792		
_	Griffith 21-17	12/18/1997	08/993324		
	Griffith 22-2	1/21/1998	09/010422		
	Griffith 23-5	4/20/1998	5931621		
•.	Griffith 24	6/30/1998	09/109218		
	Griffith 25	7/31/1998	09/127388		
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	Griffith 27	7/31/1998	09/127394		
A P	Griffith 28	9/29/1998	09/162494		
	Griffith 29-22	9/29/1998	09/162749		
	Griffith 9-1-13	7/1/1993	5388102		
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	Grimes 11-5	4/5/1988	4736393	
	Grimes 2	7/31/1984	4463445	
	Grimes 25	12/21/1989 (f)	5034975	
_	Grimes 28-12	5/10/1991 (f)	5311570	
(All)	Grimes 3	12/11/1984	4488218	
	Grimes 34-10	10/31/1995 (I)	5463623	
	Grimes 4	7/7/1984	4458314	
	Grimes 5	8/26/1983 (f)	4516250	
	Grimes 59-20	9/20/1993 (f)	5428663	
	Grimes 7	4/14/1987	4658333	
	Grimes 9	3/17/1987	4651103	
<i>(</i> 55)	Gruber	4/14/1998	5739999	
	Gubser 2-2-2	5/20/1986	D283894	
-,-	Gupta 1	11/13/1987 (f)	4788719	
	Haas 1-3-3	12/2/1981 (1)	4456996	
	Haas 6-5-2	5/2/1989	5029200	
	Hagirahim 2	3/21/1997	08/822125	
	Hagirahim 4	4/22/1998		
	Hancock 1-2 (D.S.)	W22 1030	09/064681	
	Hancock 1-2 (H,G.)	3/5/1985	4399602 · 4503283	
	Hanson 1	2/1/1994 ( <b>1</b> )		
	Hanson 2-1	3/1/1994	5436967	
	Hanson 5	4/5/1996	5394464	
	Hanson 6	10/5/1999	5802149	
$\widehat{}$	Hardesty 32-1	8/27/1985	5963861	
	Hardin 10-9	4/13/1993	45369 <b>39</b>	
9	Hardin 5-2	4/13/1993	5202946	
	Hardin 6-3		4941729	
	Hardin 7-4		4969706 5001304	
	Hardin 8-7	6/18/1991	5024506	
	Hardin 9-4-21-1-9	12/24/1991	5074640	
	Hardouin 15	12/23/1996	5884163	
	Hardouin 16	4/30/1997		
	Hardouin 17	10/12/1999	08/845977	
	Harris 1-1	6/3/1996	5966655	
	Harris 1-1	8/13/1998	5802058	
	Hartmann 1-4-2-1	9/12/1982 (f)	09/133831	
	Haserodt 3	9/13/96 (f)	4510596	
	Hashim 3	1/16/1997	6031836	
	Hasley 3-11		08/783950	
	Hassler 2-2-4-6	11/21/1984 (f)	4656627	
	Hassler 3-3	2/25/1992	5392346	
	Hawkins	8/11/1995	5751795	
	Hayden 2-1-1	4/5/1988	4736071	
$\bigcirc$	Heisinger 4	1/3/1989	4953159	
(ein)	Helmkamp 1-5	12/1/1987	4710846	
~	Helmstetter	1/30/1991 (f)	5265150	
	Helmstetter 5-4	4/24/98 (f)	6046913	
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	Herrick 2-1	10/7/1997 (1)	D384673
	Hiatt 2-5-2	3/29/1995	5521970
	Hiatt 3-5-6-3-1	3/15/1988	4731702
	Hiatt 4-6-7-4-2	3/6/1990 (I)	D306429
	Hoag 1	3/13/1990 (1)	D306576
	Horovitz 1-1-1	1/14/1998	09/007133
	Houck 1-2-2-1	1/19/1996	5812795
	Huetson 3-1	6/24/1992 (n)	5488693
	Hughes 3-4-1	4/24/94 (1)	5414219
	Hui 1-11-1	11/23/1999	59911 <b>40</b>
_	Hunt 1	02/28/1997 (1)	5991634
(a)	Hunt 2	11/12/1991 (I)	5064136
	Hunt 3-2	05/26/1992 (I)	5115995
	Hutchins 9	09/29/1992 (1)	5150852
	Illuzzi 1-4-1	3/24/1987	4651418
	Ivan 4-1	3/18/1985 (f)	4642550
	James 23-4-7	1/26/1998	09/013670
	Jennings 2	12/10/1982 (1)	<del>44</del> 75191
	Jennings 3	5/26/1992	5375164
	Jennings 4	3/21/1994 (1)	5412712
	Jensen 1-1-1-1	2/2/1996	5781186
	Jensen 3-3	4/11/1989	4821179
	Jensen 5-5	10/26/1987	4914580
	John 1-9	3/9/1987	5293597
(d) (d)	Jahn 2-10	9/2/1993 (1)	5416361
_	John 3-12	12/20/1993 (f)	5475579
	John 4	04/03/1998 (f)	5995386
	Johnson 45-5-33	07/01/1998 (f)	5977656
	Johnson 46-6-34	3/12/1997	5861790
	Jon 10-4-7	3/12/1997	5877666
	Josoff 2	8/30/1995 (f)	5651834
	Josoff 3	1/21/1997	5595354
	Kane 10	7/15/1997	5647195
	Kane 12-4	6/1/1999	5909351
	Kanotz 7	9/1/1998	09/144785
	Karpicke 5	5/14/1985	4516922
(MIN)	Kasday 1	9/18/1995 (f)	5528680
,	Kavehrad 6-2	2/7/1984	4430726
	Kepley 4-4-3	6/9/1987	4672658
	Kepley 6	12/6/1988	4790003
	Kerr 5-8-25-5	1/14/1993	5499291
	Khakgo 1	9/29/1997	08/939748
	King	7/31/1997	08/903869
	Klein 1	2/4/1998	115301
	Kleln 2	3/10/1993	5479411
	Klein 3	4/22/1993 6/10/1995	5434908
	Klein 5-1	6/10/1995 4/2/199 <b>7</b>	5646981
		414 (37)	5943398



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ACTION.	Kluska 1-26		8/4/1992	5136121
	Kluska 5-1-1-2	-2	7/11/1997	08/890736
	Knollman 16		11/6/1997 (f)	5854550
<b>△</b>	Knollman 17		11/6/1997	
	Koehler 1-1-2		, , , , , , , , , , , , , , , , , , , ,	08/965628
•	Koenig 1-1	•	5/20/1983 (f)	4446422 4511000
	Kohler 1		6/29/1982 (n)	4511969
	Kohler 2-1-4-3	•	12/26/1990	4486626
	Kohler 5		7/2/1996	5206903
	Krack 1		6/18/1998	5721770
	Kuo 7-3		3, Ta, 1338	09/100195
(E)	Kutzavitch 5-1		2/20/1990 (f)	5982926
	Kutzavitch 6-2		2/20/1990 (f)	5027083
_	Kutzavitch 7		6/29/1990	5010308
	Kwilos 2			5097501
	Lake 2-3-2		10/21/1986	4618194
	Landante 3-3-3		10/7/1985 (f)	4617663
	Lane 7-1		7/8/1994 (1)	5555017
	Lange 1-14-1		6/16/1983 (f)	4535445
	LaRoche 1		6/22/1987 ( <b>n</b> )	4802199
	Larsen 5-7	<del></del>	1/3/1991	5239460
	Larsen 6-4-8-13		7/13/1999	5921818
	Larson 2		11/23/1999	5989071
	Larson 3		6/22/1981 (f)	4419728
	Laukzemis 2		6/22/1981 (f)	4424565
			8/8/1995	5439395
$\bigcirc$	Levy 6-2-1		11/7/1996 (1)	5995961
	Lewis 1		7/23/1984 (1)	4640032
	Li 1-2		6/25/1997	08/881321
	Lin 6-12-2		11/2/1999	5975936
	Lin 8		-	09/126042
	Lin 9			09/126166
	Lindemulder 1		3/5/1997	5926540
	Lipari 5		11/14/1989	4880396
	Literati 1-1-1	,	5/31/1989 (f)	4939752
	Liu 1		5/02/1985 (f)	4646347
	Lo 1-5-1-1		6/1/1989	4933967
$\bigcirc$	Loesch 4			4464879
	Loesch 5		11/5/1998	4551185
	Loesch 6		11/18/1986	4623129
	Lucas 3		9/13/1982 (f)	4539676
	Lutz 2-2		(7	5719798
	Macor 2		10/31/1996 (f)	5841849
	Macor 3			5901222
	Macor 4			08/901053
	Macor 5		4/16/1998	
	Macor 6		4/16/1998	09/061677
	Magnuson 1		→/ IU/ 1350	09/061682
	Marinelli 3-1		12/17/1993 (f)	5823790 5415836
			~ · · · · · · · · · · · · · · · · · · ·	5416836
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(IND)	Maroulis 1-4-3		Date	No.
$\bigcirc$	Marx			08/713050
	Mayer 8-1-52		2/19/1985	4500481
	McBride 1-25		10/29/1997 (f)	D403677
	McGonigal 12		8/29/1989	4861278
	McNemey 6-1		1/27/1987	4638559
	Merriman 1-3		12/7/1999	5999208
	Merriman 2		2/13/1990	4901189
	Millman 10		12/15/1994 (f)	5500497
	Mistry 1		7/23/1992 (1)	5363204
	Mistry 2-1		12/28/1999	6007942
	Mock 4		11/10/1998	5832988
	Modisette 1-3			4404882
ALD.	Moffitt 2-4		1/9/1990 (f)	5005171
	Moffitt 3-3		4/23/1981 (f)	4382295
	Mohler 1	•	4/23/1981 (1)	4395765
	Mohler 3		4/26/1994 (ŋ	5506872
	Moody 1		2/4/1997	5930337
	Moore 1-1		4/3/1989	4932021
	Moore 1-1-2		1/3/1984	4424418
	Moran 19-1		4/3/1990	D306999
			,	09/127393
	Morton 1 Moser		6/9/1998	09/094316
			4/25/1988	4740261
	Mottine 24-11 Mukerji 1		7/5/1994	5326638
	Muller 1-1		3/31/1987	4654845
ピン	Mullin 13-1		9/14/1993	5244408
•	Munson 8		1/12/1993	5179251
	Munson 9		8/29/1980 (f)	4385207
	Myslinski 1-2		2/18/1983 (n)	4490582
	Nadooshan 1		6/5/1984 (f)	4582959
	Nalbone 2		3/6/1998	09/036332
	Nealon 5-2		12/6/1988	4790004
	Nelson 4		11/3/1994 (f)	5809417
	Nepustil 1		5/20/1997	5939695
	Nepustil 2		7/29/1996	08/681682
	Nepustil 3		9/9/1996	08/711189
(P)	Nichols 2		11/5/1997	5930339
Car.	Nici 2-4-3		12/24/1985 (f)	4727537
	Nikmanesh 2-1		2/4/1983 (f)	4512017
	Nikmanesh 4		4/18/1996	08/634486
	Noirot 1		7/8/1998	09/112031
	Norte 1		6/10/1986	4594477
	Norte 10		1/27/1997 (f)	5963349
	Norte 12		1/13/1998	09/006125
()	Norte 13		11/23/1999	5991423
	None 3-2		9/21/1998	5943744
	Norte 4-3		2/20/1997	5892412
_			3/12/1997	5905417
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·	Norte 8-4	-		10/3/1997 (1)	5936509
	Norte 9			4/1/1998	09/053612
	Nowka 1-1			6/8/98 (f)	6026146
60	Nowka 2-2			6/8/1998	09/093486
(語)	O'Connor 6			8/25/1987	4688875
	O'Dell 1-1	•	•	11/8/89 (f)	5027358
	Olson 1-2-1			11/27/1985 (f)	4679189
	Oye 2-1-2	•		12/13/1988	4791660
	Oye 4-3-4			3/28/1989	4817086
	Palaszewski 3		•	11/21/1995	
	Palumbo 2-5			= // 1000	5469328 5684869
	Parnas			9/17/1991	
$\left\{ ,\;\right\}$	Paul 4			5/21/1998	5049721
$\smile$	Pawlenko 26	•		12/22/1997	09/082652
	Peak 3-3			12/24/1990	5911598
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	Michaelis 1	1/6/2000	auth 121	
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Octel 21-3		5872779		
Octel 21-4	8/17/1999	5940478		
Octel 21-4-1 .	4/14/1998	5740230		
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